BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Division

Name of the work :- Improvements and Development of School Buildings at Jalahalli In Ward No 16

MODIFIED SCHEDULE B

Item No.	Tender Item No.	Unit	Schedule B		
			Qty	Rate	Amount
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2 -d o -i) Lime/Cement Concrete. I. By Manual Means .B. Cement Concrete Grade M-15 & M-20. **(Page no. 139: item 18.18 P.W.D. SR-2018-19)**	cum	181.70	665.00	120830.50
2	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications,KSRRB M200-14.2 -d o - Dismantling brick/Tile work B. In cement mortar. **(Page no. 139: item 18.23 P.W.D. SR-2018-19)**	cum	197.34	419.00	82685.46
3	KSRB 200-7.1 : Clearing grass and removal of rubbish by manual means and stacking out side the periphery of the area cleaned as per specifications. MORTH Specification No.201 **(Page no. 138: item 18.10 P.W.D. SR-2018-19)**	HA	0.15	30737.00	4610.55
4	KSRB 2-2.1 **Earth work excavation for foundation of building,** culverts, water supply sanitary lines, and electrical conduits either pits or in trenches 1.5m and above in width, in **Ordinary** not exceeding 1.5m in depth including dressing bottom and sides of pits and trenches, stacking excavated soil clear from edges of excavation with lead up to 50m after breaking of clods complete as per specifications.**(Pg No 6-Item No 2.3 P.W.D. SR-2018-19)**	cum	1057.24	357.00	377436.11
5	KSRB-3.2 : Providing and injecting chemical emulsion for **Pre-constructional Anti-Termite Treatment,** creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical,diluting in water to one percent concentration, labour,	Sqm	1014.15	127.00	128797.05
	Above 125%		55.65	123.98	6900.02
6	KSRB 4-1.2 Providing and Laying in position plain cement concrete of **Mix 1:3:6** with OPC Cement @180kgs with 40mm down size graded granite metal coarse aggregate 0.85cum and fine aggregate @ 0.57Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 4.2)**	cum	144.48	6297.00	909767.92

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7	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts,	cum	157.09	7367.00	1157277.61
8	KSRB 4-6.1 : Providing and removing a **centering,** shuttering, strutting, propping etc.., and removal of form work for a foundation **footing** bases of column for mass concrete including cost of all materials, labours, complete as per specificatons **(Pg No 16-Item No 4.28@ P.W.D SR -2018-19)**	Sqm	336.75	300.00	101025.00
	Above 125%		70.83	301.77	21374.17
9	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars**	cum	22.12	7367.00	162946.25
10	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars**	cum	21.20	7438.00	157697.50
11	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For Ground Floor	Sqm	250.32	545.00	136421.68
12	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For First Floor	Sqm	235.86	552.00	130191.96
13	KSRB 4.2.7 : **Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs,** with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for **roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars**	cum	32.22	7367.00	237364.74

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14	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19) For Ground Floor	Sqm	320.65	428.00	137237.90
15	ksrb 5.2-3 Providing and constructing **grinite /trap/basalt size stone masonry in foundation with cement motar 1:6 stone hammer dressed** in coursenot less than 20cm high bond stones at two m apart in each course including cost of materils ,lobour curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 5.6)**	cum	70.34	5522.00	388403.68
	Above 125%		39.67	5411.85	214693.23
16	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones hammer dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **(Issue rate as on date 21-10-19, Item No. 5.9)**	cum	26.80	6581.00	176370.80
	Above 125%		59.43	6449.32	383312.39
17	KSRB-15.2.2 **Providing ruled pointing to coursed stone masonry with cement mortar 1:3** , 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,labour,curing complete as per specification. **(Issue rate as on date 21-10-19, Item No. 15.8)**	Sqm	51.98	59.00	3066.91
18	KSRB 2.3 : Filling available excavated earth (excluded rock)in side of founation upto plinth in layers not exceeding 20cms In depth compacting each deposited layers by ramming after watering with lead up to 50m. And lift up to 1.5m including cost of all labours complete as per specification (page 7 : item 2.10 @ P.W.D SR-2018-19)	cum	727.74	240.00	174657.00
	Above 125%		387.33	235.10	91060.66
19	KSRB 5-14.1 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.2) For Ground Floor	Sqm	43.04	1141.00	49105.79
	Above 125%		701.35	1117.90	784034.94
20	KSRB 5-14.1 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.2) For First Floor	Sqm	33.19	1183.00	39260.81
	Above 125%		665.75	1158.83	771493.91

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21	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts,	cum	2.83	7367.00	20881.02
22	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts,	cum	2.91	7438.00	21628.96
23	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17 I.No.4.34 of PWD S.R 2018-19)	Sqm	43.46	349.00	15168.24
24	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17 I.No.4.34 of PWD S.R 2018-19)	Sqm	46.84	356.00	16673.97
25	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.20) For	Sqm	31.69	605.00	19173.06
26	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.20) For First	Sqm	30.51	611.00	18640.69
27	KSRB 4-6.10: Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No.KBS 4.6.2 (P.No.17, I.No.4.37 of PWD - SR 2018-19) For Ground Floor	Sqm	37.74	386.00	14567.64
28	KSRB 4-6.10: Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No.KBS 4.6.2 (P.No.17, I.No.4.37 of PWD - SR 2018-19) For First Floor	Sqm	36.30	393.00	14266.88

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29	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19) For Ground Floor	Sqm	354.31	349.00	123653.32
30	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19) For First Floor	Sqm	345.72	356.00	123076.14
31	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19) For First Floor	Sqm	44.84	363.00	16275.11
32	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2) For Ground Floor	cum	127.24	6713.00	854145.34
	Above 125%		11.19	6578.64	73617.15
33	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2) For First Floor	cum	134.21	6713.00	900968.51
	Above 125%		2.89	6578.64	19032.53
34	Providing and laying cement concrete using 20mm down size granite jelly of ready mixed concrte (RMC) for R.C.C works laid in 15cms thick and well compacted vibrating, curing etc.,including smooth finish cement mortar 1:3,with all lead lifts etc., complete (exclusive of cost of steel and fabrication charges) -Ready mixed cement concrete for Beams,columns,staircase and Roof with M-25 (1:1.5:3)(Cement-320Kg/cum) (Issue rate as on date 21-10-19, Item No. 4.49.2) For First Floor	cum	8.54	6713.00	57312.24
	Above 125%		8.73	6578.64	57400.28
35	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19) For Ground Floor	Sqm	667.08	526.00	350882.50

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36	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19) For First Floor	Sqm	667.52	526.00	351113.15
37	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for flat surface such as suspended floors,roofs,landings,balconies and likes thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.16, I.No.4.30 of PWD SR 2018-19) For First Floor	Sqm	56.93	526.00	29942.55
	Above 125%		20.57	555.81	11433.07
38	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21) For Ground Floor	Sqm	729.02	283.00	206312.86
39	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21) For First Floor	Sqm	772.66	283.00	218664.04
40	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page no. 34. Item no.7.9 PWD-S.R 2018-19) For Ground Floor	Kg	1387.26	114.00	158147.64
41	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (page no. 34. Item no.7.9 PWD-S.R 2018-19)	Kg	1360.80	114.00	155131.20
42	KSRB15-3.6 : Providing 15 mm thick cement plaster in single coat with Cement Mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete. (Issue rate as on date 21-10-19, Item No. 15.14) (INSIDE) For First Floor	Sqm	1326.76	251.00	333016.76

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43	KSRB15-3.6 : Providing 15 mm thick cement plaster in single coat with Cement Mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete. (Issue rate as on date 21-10-19, Item No. 15.14) (INSIDE)	Sqm	1314.62	258.00	339172.99
44	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19) For First Floor	Sqm	1326.76	39.00	51743.64
45	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19)	Sqm	1314.62	46.00	60472.70
46	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19)	Sqm	429.85	39.00	16764.15
	Above 125%		299.17	37.43	11197.50
47	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19) For First Floor	Sqm	400.86	39.00	15633.64
	Above 125%		371.80	37.43	13915.98
48	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Tonne	70.57	76596.00	5405631.95
49	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete. (PWD-SR 2018-19, P-53, I-9.11) For Ground Floor	cum	0.80	104547.00	83905.24
50	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete. (PWD-SR 2018-19, P-53, I-9.11) For Ground Floor	cum	0.73	104547.00	76277.49
51	Providing and filling in foundation / below flooring with granite / trap broken metal 100mm and down size with approved quality sand including hand packing, ramming, watering, including the cost of all materials and labour with all lead and lift complete. (PWD-SR 2018-19, P.7 I No.2.15)	cum	76.63	2899.00	222136.92

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52	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing	Nos	1.00	4164.00	4164.00
53	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 0 to 50m	Sqm	50.00	384.00	19200.00
54	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 50 to 100m	Rmt	50.00	489.00	24450.00
55	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 100 to 150m	Rmt	50.00	504.00	25200.00
56	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 150 to 200m	Rmt	50.00	593.00	29650.00
57	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 200 to 250m	Rmt	50.00	701.00	35050.00
58	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 250 to 300m	Rmt	50.00	774.00	38700.00

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59	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 300 to 350m	Rmt	50.00	912.00	45600.00
60	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 350 to 400m	Rmt	50.00	995.00	49750.00
61	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01) 400 to 420m	Rmt	20.00	1248.00	24960.00
62	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)	Rmt	12.00	2873.00	34476.00
63	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties)	Rmt	50.00	1465.00	73250.00
64	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-	Nos	8.00	166.00	1328.00
65	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	Nos	1.00	111.00	111.00
66	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29) KPWD SR-2018-19	Nos	1.00	55201.00	55201.00
67	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.	Rmt	370.00	455.00	168350.00
68	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele SR 2014-15,P-12/It-2.10.3)	Rmt	750.00	141.00	105750.00
69	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)	Nos	1.00	1487.00	1487.00
70	Spplying and fixing 50mm GI Union.(PWD SR 2018-19,P-XXXIX)	Nos	1.00	248.00	248.00

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71	Supplying and fixing 50mm GI Elbow.(PWD SR 2018-19,P-XXXIX)	Nos	1.00	124.00	124.00
72	Supplying and fixing 50mm GI Nipple.(PWD SR 2018-19,P-XXXIX)	Nos	1.00	116.00	116.00
73	Supplying and fixing 50mm GI Hose colleres(PWD SR 2018-19,P-XXXIX)	Nos	62.00	114.00	7068.00
74	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2019-20	Nos	1.00	334.00	334.00
75	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/Sl no.6.16.6) 40-63 Amps	Nos	1.00	2140.00	2140.00
76	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20 P-24 It-5.5.1)	Nos	1.00	1989.00	1989.00
77	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,Sl no.5.38)	Nos	1.00	476.00	476.00
78	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2019-20,p-24,Sl no.-5.2.1)	Nos	1.00	7072.00	7072.00
79	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2019-20,p-44/Sl no.5.3)	Nos	1.00	824.00	824.00
80	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-6,It	Mtrs	20.00	50.00	1000.00
81	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2019-20,p-29/Sl no.5.37)	Nos	4.00	442.00	1768.00
82	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1)	Nos	1.00	3315.00	3315.00
83	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil	Mtrs	8.00	113.00	904.00

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84	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4)	Mtrs	10.00	166.00	1660.00
85	Labour charge for laying 1.1 KV class UG cable in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1)	Nos	25.00	14.00	350.00
86	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1)	Rmt	2.00	371.00	742.00
87	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,It-6.10.2)	Nos	1.00	299.00	299.00
88	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,It-5.7.3)	Nos	3.00	251.00	753.00
EIRL 1	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtrs			
	19/20mm Dia 2mm thick	Mtr	880.00	43.32	38121.60
	25mmdia 2mm thick	Mtr	500.00	57.40	28699.50
EIRL 2	Groove Cutting in Walls Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtrs			0.00
	19/20mm Dia 2mm thick	Mtr	230.00	55.23	12703.59
	25mmdia 2mm thick	Mtr	120.00	58.48	7017.84
EIRL 3	Supplying And Fixing Metal Fan Box with Round Hook.	No	36.00	92.06	3313.98
EIRL 4	KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. - The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the	Nos	21.00	1597.73	33552.29

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EIRL 5	KSRB 15.9 Providing and fixing Corner beads 45x45mm size manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls,columns,lintels including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) — The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtrs	816.48	32.75	26739.65
EIRL 6	KSRB 15.8.2 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications,The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtrs	298.08	36.26	10808.04
	Total				18354819.87

Executive Engineer
Rajarajeshwari Nagar Division
BBMP

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